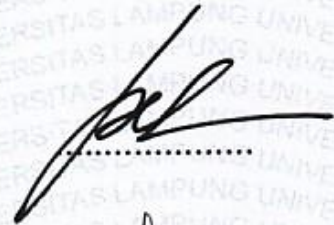


**MENGESAHKAN**

**1. Tim Penguji**

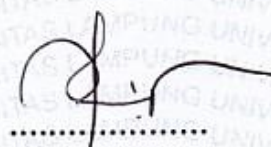
**Ketua**

**: Ir. Priyo Pratomo, M.T.**



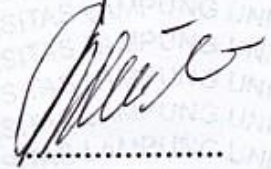
**Sekretaris**

**: Ir. Dwi Herianto, M.T.**



**Penguji**

**Bukan Pembimbing : Ir. Hadi Ali, M.T.**



**2. Dekan Fakultas Teknik**



**Prof. Dr. Suharno, M.Sc.**

**NIP 19620717 198703 1 002**

**Tanggal Lulus Ujian Skripsi : 07 Juli 2015**